

PPL-1

IIT2015065

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Chapter 1

ppl-assignment-soumik-mufc

ppl-assignment-soumik-mufc created by GitHub Classroom ROLL No-IIT2015065 Section A

Bugs in making couples(i.e paring of couples) have been removed.

Classes include:Miser, Generous, Geeky, Normal, Choosy, Desperate, [Helper](#), Helper_couple, Gift, Couple.

Class Diagram, Documentation to be added when available. :p

Note: Requires c++11 for compilation and execution.

Chapter 2

Namespace Index

2.1 Namespace List

Here is a list of all namespaces with brief descriptions:

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desperate	9
geeky	9
generous	9
miser	9
normal	9

Chapter 3

Class Index

3.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

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desperate::Desperate	13
geeky::Geeky	15
generous::Generous	17
Helper	19
miser::Miser	21
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Chapter 4

File Index

4.1 File List

Here is a list of all files with brief descriptions:

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Chapter 5

Namespace Documentation

5.1 choosy Namespace Reference

Classes

- class [Choosy](#)

5.2 desperate Namespace Reference

Classes

- class [Desperate](#)

5.3 geeky Namespace Reference

Classes

- class [Geeky](#)

5.4 generous Namespace Reference

Classes

- class [Generous](#)

5.5 miser Namespace Reference

Classes

- class [Miser](#)

5.6 normal Namespace Reference

Classes

- class [Normal](#)

Chapter 6

Class Documentation

6.1 choosy::Choosy Class Reference

```
#include <Choosy.h>
```

Public Member Functions

- [Choosy](#) (std::string, int, int, int, int)
- std::string [getname](#) () const
- int [get_attractiveness](#) () const
- int [get_intelligence](#) () const
- int [get_budget](#) () const
- bool [get_commit_status](#) () const
- void [set_commit_status](#) (bool)
- int [get_preference](#) () const

6.1.1 Detailed Description

Definition at line 19 of file Choosy.h.

6.1.2 Constructor & Destructor Documentation

6.1.2.1 Choosy()

```
choosy::Choosy::Choosy (  
    std::string name,  
    int attractiveness,  
    int intelligence,  
    int budget,  
    int preference )
```

Definition at line 4 of file Choosy.cpp.

6.1.3 Member Function Documentation

6.1.3.1 `get_attractiveness()`

```
int choosy::Choosy::get_attractiveness ( ) const
```

Definition at line 19 of file Choosy.cpp.

6.1.3.2 `get_budget()`

```
int choosy::Choosy::get_budget ( ) const
```

Definition at line 28 of file Choosy.cpp.

6.1.3.3 `get_commit_status()`

```
bool choosy::Choosy::get_commit_status ( ) const
```

Definition at line 32 of file Choosy.cpp.

6.1.3.4 `get_intelligence()`

```
int choosy::Choosy::get_intelligence ( ) const
```

Definition at line 24 of file Choosy.cpp.

6.1.3.5 `get_preference()`

```
int choosy::Choosy::get_preference ( ) const
```

Definition at line 40 of file Choosy.cpp.

6.1.3.6 getname()

```
std::string choosy::Choosy::getname ( ) const
```

Definition at line 14 of file Choosy.cpp.

6.1.3.7 set_commit_status()

```
void choosy::Choosy::set_commit_status (
    bool stat )
```

Definition at line 36 of file Choosy.cpp.

The documentation for this class was generated from the following files:

- [/Volumes/Untitled/PPL PROJECT/que_1/Choosy.h](#)
- [/Volumes/Untitled/PPL PROJECT/que_1/Choosy.cpp](#)

6.2 desperate::Desperate Class Reference

```
#include <Desperate.h>
```

Public Member Functions

- [Desperate](#) (std::string, int, int, int, int)
- std::string [getname](#) () const
- int [get_attractiveness](#) () const
- int [get_intelligence](#) () const
- int [get_budget](#) () const
- bool [get_commit_status](#) () const
- void [set_commit_status](#) (bool)
- int [get_preference](#) () const

6.2.1 Detailed Description

Definition at line 19 of file Desperate.h.

6.2.2 Constructor & Destructor Documentation

6.2.2.1 Desperate()

```
desperate::Desperate::Desperate (
    std::string name,
    int attractiveness,
    int intelligence,
    int budget,
    int preference )
```

Definition at line 4 of file Desperate.cpp.

6.2.3 Member Function Documentation

6.2.3.1 get_attractiveness()

```
int desperate::Desperate::get_attractiveness ( ) const
```

Definition at line 17 of file Desperate.cpp.

6.2.3.2 get_budget()

```
int desperate::Desperate::get_budget ( ) const
```

Definition at line 25 of file Desperate.cpp.

6.2.3.3 get_commit_status()

```
bool desperate::Desperate::get_commit_status ( ) const
```

Definition at line 30 of file Desperate.cpp.

6.2.3.4 get_intelligence()

```
int desperate::Desperate::get_intelligence ( ) const
```

Definition at line 21 of file Desperate.cpp.

6.2.3.5 `get_preference()`

```
int desperate::Desperate::get_preference ( ) const
```

Definition at line 38 of file `Desperate.cpp`.

6.2.3.6 `getname()`

```
std::string desperate::Desperate::getname ( ) const
```

Definition at line 13 of file `Desperate.cpp`.

6.2.3.7 `set_commit_status()`

```
void desperate::Desperate::set_commit_status (
    bool stat )
```

Definition at line 34 of file `Desperate.cpp`.

The documentation for this class was generated from the following files:

- `/Volumes/Untitled/PPL PROJECT/que_1/Desperate.h`
- `/Volumes/Untitled/PPL PROJECT/que_1/Desperate.cpp`

6.3 `geeky::Geeky` Class Reference

```
#include <Geeky.h>
```

Public Member Functions

- `Geeky` (`std::string`, `int`, `int`, `int`, `int`)
- `std::string getname` () const
- `int get_attractiveness` () const
- `int get_intelligence` () const
- `int get_budget` () const
- `int get_min_attr_req` () const
- `bool get_commit_status` () const
- `void set_commit_status` (`bool`)

6.3.1 Detailed Description

Definition at line 19 of file `Geeky.h`.

6.3.2 Constructor & Destructor Documentation

6.3.2.1 Geeky()

```
geeky::Geeky::Geeky (
    std::string name,
    int attractiveness,
    int intelligence,
    int budget,
    int min_attr_req )
```

Definition at line 4 of file Geeky.cpp.

6.3.3 Member Function Documentation

6.3.3.1 get_attractiveness()

```
int geeky::Geeky::get_attractiveness ( ) const
```

Definition at line 19 of file Geeky.cpp.

6.3.3.2 get_budget()

```
int geeky::Geeky::get_budget ( ) const
```

Definition at line 28 of file Geeky.cpp.

6.3.3.3 get_commit_status()

```
bool geeky::Geeky::get_commit_status ( ) const
```

Definition at line 36 of file Geeky.cpp.

6.3.3.4 get_intelligence()

```
int geeky::Geeky::get_intelligence ( ) const
```

Definition at line 24 of file Geeky.cpp.

6.3.3.5 get_min_attr_req()

```
int geeky::Geeky::get_min_attr_req ( ) const
```

Definition at line 32 of file Geeky.cpp.

6.3.3.6 getname()

```
std::string geeky::Geeky::getname ( ) const
```

Definition at line 14 of file Geeky.cpp.

6.3.3.7 set_commit_status()

```
void geeky::Geeky::set_commit_status (
    bool stat )
```

Definition at line 40 of file Geeky.cpp.

The documentation for this class was generated from the following files:

- [/Volumes/Untitled/PPL PROJECT/que_1/Geeky.h](#)
- [/Volumes/Untitled/PPL PROJECT/que_1/Geeky.cpp](#)

6.4 generous::Generous Class Reference

```
#include <Generous.h>
```

Public Member Functions

- [Generous](#) (std::string, int, int, int, int)
- std::string [getname](#) () const
- int [get_attractiveness](#) () const
- int [get_intelligence](#) () const
- int [get_budget](#) () const
- int [get_min_attr_req](#) () const
- bool [get_commit_status](#) () const
- void [set_commit_status](#) (bool)

6.4.1 Detailed Description

Definition at line 19 of file Generous.h.

6.4.2 Constructor & Destructor Documentation

6.4.2.1 Generous()

```
generous::Generous::Generous (
    std::string name,
    int attractiveness,
    int intelligence,
    int budget,
    int min_attr_req )
```

Definition at line 4 of file Generous.cpp.

6.4.3 Member Function Documentation

6.4.3.1 get_attractiveness()

```
int generous::Generous::get_attractiveness ( ) const
```

Definition at line 19 of file Generous.cpp.

6.4.3.2 get_budget()

```
int generous::Generous::get_budget ( ) const
```

Definition at line 28 of file Generous.cpp.

6.4.3.3 get_commit_status()

```
bool generous::Generous::get_commit_status ( ) const
```

Definition at line 36 of file Generous.cpp.

6.4.3.4 get_intelligence()

```
int generous::Generous::get_intelligence ( ) const
```

Definition at line 24 of file Generous.cpp.

6.4.3.5 `get_min_attr_req()`

```
int generous::Generous::get_min_attr_req ( ) const
```

Definition at line 32 of file `Generous.cpp`.

6.4.3.6 `getname()`

```
std::string generous::Generous::getname ( ) const
```

Definition at line 14 of file `Generous.cpp`.

6.4.3.7 `set_commit_status()`

```
void generous::Generous::set_commit_status (
    bool stat )
```

Definition at line 40 of file `Generous.cpp`.

The documentation for this class was generated from the following files:

- `/Volumes/Untitled/PPL PROJECT/que_1/Generous.h`
- `/Volumes/Untitled/PPL PROJECT/que_1/Generous.cpp`

6.5 Helper Class Reference

```
#include <Helper.h>
```

Friends

- void `scan_data` (std::vector< [miser::Miser](#) > &vb1, std::vector< [generous::Generous](#) > &vb2, std::vector< [geeky::Geeky](#) > &vb3, std::vector< [choosy::Choosy](#) > &vg1, std::vector< [normal::Normal](#) > &vg2, std::vector< [desperate::Desperate](#) > &vg3)
- void `display` (const std::vector< [miser::Miser](#) > &vb1, const std::vector< [generous::Generous](#) > &vb2, const std::vector< [geeky::Geeky](#) > &vb3, const std::vector< [choosy::Choosy](#) > &vg1, const std::vector< [normal::Normal](#) > &vg2, const std::vector< [desperate::Desperate](#) > &vg3)
- void `make_couple` (std::vector< [miser::Miser](#) > &vb1, std::vector< [generous::Generous](#) > &vb2, std::vector< [geeky::Geeky](#) > &vb3, std::vector< [choosy::Choosy](#) > &vg1, std::vector< [normal::Normal](#) > &vg2, std::vector< [desperate::Desperate](#) > &vg3, std::vector< std::pair< std::string, std::string >> &couples)
- int `maximum` (int a, int b, int c)
- void `store_couples` (std::vector< std::pair< std::string, std::string >> &couples)

6.5.1 Detailed Description

Definition at line 10 of file `Helper.h`.

6.5.2 Friends And Related Function Documentation

6.5.2.1 display

```
void display (
    const std::vector< miser::Miser > & vb1,
    const std::vector< generous::Generous > & vb2,
    const std::vector< geeky::Geeky > & vb3,
    const std::vector< choosy::Choosy > & vg1,
    const std::vector< normal::Normal > & vg2,
    const std::vector< desperate::Desperate > & vg3 ) [friend]
```

Definition at line 92 of file Helper.cpp.

6.5.2.2 make_couple

```
void make_couple (
    std::vector< miser::Miser > & vb1,
    std::vector< generous::Generous > & vb2,
    std::vector< geeky::Geeky > & vb3,
    std::vector< choosy::Choosy > & vg1,
    std::vector< normal::Normal > & vg2,
    std::vector< desperate::Desperate > & vg3,
    std::vector< std::pair< std::string, std::string >> & couples ) [friend]
```

Definition at line 103 of file Helper.cpp.

6.5.2.3 maximum

```
int maximum (
    int a,
    int b,
    int c ) [friend]
```

Definition at line 101 of file Helper.cpp.

6.5.2.4 scan_data

```
void scan_data (
    std::vector< miser::Miser > & vb1,
    std::vector< generous::Generous > & vb2,
    std::vector< geeky::Geeky > & vb3,
    std::vector< choosy::Choosy > & vg1,
    std::vector< normal::Normal > & vg2,
    std::vector< desperate::Desperate > & vg3 ) [friend]
```

Definition at line 12 of file Helper.cpp.

6.5.2.5 store_couples

```
void store_couples (
    std::vector< std::pair< std::string, std::string >> & couples ) [friend]
```

Definition at line 216 of file Helper.cpp.

The documentation for this class was generated from the following file:

- /Volumes/Untitled/PPL PROJECT/que_1/Helper.h

6.6 miser::Miser Class Reference

```
#include <Miser.h>
```

Public Member Functions

- [Miser](#) (std::string, int, int, int, int)
- std::string [getname](#) () const
- int [get_attractiveness](#) () const
- int [get_intelligence](#) () const
- int [get_budget](#) () const
- int [get_min_attr_req](#) () const
- bool [get_commit_status](#) () const
- void [set_commit_status](#) (bool)

6.6.1 Detailed Description

Definition at line 19 of file Miser.h.

6.6.2 Constructor & Destructor Documentation

6.6.2.1 Miser()

```
miser::Miser::Miser (
    std::string name,
    int attractiveness,
    int intelligence,
    int budget,
    int min_attr_req )
```

Definition at line 4 of file Miser.cpp.

6.6.3 Member Function Documentation

6.6.3.1 `get_attractiveness()`

```
int miser::Miser::get_attractiveness ( ) const
```

Definition at line 19 of file Miser.cpp.

6.6.3.2 `get_budget()`

```
int miser::Miser::get_budget ( ) const
```

Definition at line 28 of file Miser.cpp.

6.6.3.3 `get_commit_status()`

```
bool miser::Miser::get_commit_status ( ) const
```

Definition at line 36 of file Miser.cpp.

6.6.3.4 `get_intelligence()`

```
int miser::Miser::get_intelligence ( ) const
```

Definition at line 24 of file Miser.cpp.

6.6.3.5 `get_min_attr_req()`

```
int miser::Miser::get_min_attr_req ( ) const
```

Definition at line 32 of file Miser.cpp.

6.6.3.6 getname()

```
std::string miser::Miser::getname ( ) const
```

Definition at line 14 of file Miser.cpp.

6.6.3.7 set_commit_status()

```
void miser::Miser::set_commit_status (
    bool stat )
```

Definition at line 40 of file Miser.cpp.

The documentation for this class was generated from the following files:

- [/Volumes/Untitled/PPL PROJECT/que_1/Miser.h](#)
- [/Volumes/Untitled/PPL PROJECT/que_1/Miser.cpp](#)

6.7 normal::Normal Class Reference

```
#include <Normal.h>
```

Public Member Functions

- [Normal](#) (std::string, int, int, int, int)
- std::string [getname](#) () const
- int [get_attractiveness](#) () const
- int [get_intelligence](#) () const
- int [get_budget](#) () const
- bool [get_commit_status](#) () const
- void [set_commit_status](#) (bool)
- int [get_preference](#) () const

6.7.1 Detailed Description

Definition at line 19 of file Normal.h.

6.7.2 Constructor & Destructor Documentation

6.7.2.1 Normal()

```
normal::Normal::Normal (
    std::string name,
    int attractiveness,
    int intelligence,
    int budget,
    int preference )
```

Definition at line 4 of file Normal.cpp.

6.7.3 Member Function Documentation

6.7.3.1 get_attractiveness()

```
int normal::Normal::get_attractiveness ( ) const
```

Definition at line 19 of file Normal.cpp.

6.7.3.2 get_budget()

```
int normal::Normal::get_budget ( ) const
```

Definition at line 28 of file Normal.cpp.

6.7.3.3 get_commit_status()

```
bool normal::Normal::get_commit_status ( ) const
```

Definition at line 33 of file Normal.cpp.

6.7.3.4 get_intelligence()

```
int normal::Normal::get_intelligence ( ) const
```

Definition at line 24 of file Normal.cpp.

6.7.3.5 get_preference()

```
int normal::Normal::get_preference ( ) const
```

Definition at line 41 of file Normal.cpp.

6.7.3.6 getname()

```
std::string normal::Normal::getname ( ) const
```

Definition at line 14 of file Normal.cpp.

6.7.3.7 set_commit_status()

```
void normal::Normal::set_commit_status (
    bool stat )
```

Definition at line 37 of file Normal.cpp.

The documentation for this class was generated from the following files:

- /Volumes/Untitled/PPL PROJECT/que_1/[Normal.h](#)
- /Volumes/Untitled/PPL PROJECT/que_1/[Normal.cpp](#)

Chapter 7

File Documentation

7.1 /Volumes/Untitled/PPL PROJECT/que_1/Choosy.cpp File Reference

```
#include "Choosy.h"  
#include <string>
```

7.2 /Volumes/Untitled/PPL PROJECT/que_1/Choosy.h File Reference

```
#include <string>
```

Classes

- class [choosy::Choosy](#)

Namespaces

- [choosy](#)

7.3 /Volumes/Untitled/PPL PROJECT/que_1/Desperate.cpp File Reference

```
#include "Desperate.h"  
#include <string>
```

7.4 /Volumes/Untitled/PPL PROJECT/que_1/Desperate.h File Reference

```
#include <string>
```

Classes

- class [desperate::Desperate](#)

Namespaces

- [desperate](#)

7.5 /Volumes/Untitled/PPL PROJECT/que_1/Geeky.cpp File Reference

```
#include "Geeky.h"  
#include <string>
```

7.6 /Volumes/Untitled/PPL PROJECT/que_1/Geeky.h File Reference

```
#include <string>
```

Classes

- class [geeky::Geeky](#)

Namespaces

- [geeky](#)

7.7 /Volumes/Untitled/PPL PROJECT/que_1/Generous.cpp File Reference

```
#include "Generous.h"  
#include <string>
```

7.8 /Volumes/Untitled/PPL PROJECT/que_1/Generous.h File Reference

```
#include <string>
```

Classes

- class [generous::Generous](#)

Namespaces

- [generous](#)

7.9 /Volumes/Untitled/PPL PROJECT/que_1/Helper.cpp File Reference

```
#include "Helper.h"
#include <vector>
#include <iostream>
#include <fstream>
#include <stdlib.h>
#include <algorithm>
#include <ctime>
```

Functions

- void [scan_data](#) (std::vector< [miser::Miser](#) > &vb1, std::vector< [generous::Generous](#) > &vb2, std::vector< [geeky::Geeky](#) > &vb3, std::vector< [choosy::Choosy](#) > &vg1, std::vector< [normal::Normal](#) > &vg2, std::vector< [desperate::Desperate](#) > &vg3)
- void [display](#) (const std::vector< [miser::Miser](#) > &vb1, const std::vector< [generous::Generous](#) > &vb2, const std::vector< [geeky::Geeky](#) > &vb3, const std::vector< [choosy::Choosy](#) > &vg1, const std::vector< [normal::Normal](#) > &vg2, const std::vector< [desperate::Desperate](#) > &vg3)
- int [maximum](#) (int a, int b, int c)
- void [make_couple](#) (std::vector< [miser::Miser](#) > &vb1, std::vector< [generous::Generous](#) > &vb2, std::vector< [geeky::Geeky](#) > &vb3, std::vector< [choosy::Choosy](#) > &vg1, std::vector< [normal::Normal](#) > &vg2, std::vector< [desperate::Desperate](#) > &vg3, std::vector< std::pair< std::string, std::string >> &couples)
- void [store_couples](#) (std::vector< std::pair< std::string, std::string >> &couples)

7.9.1 Function Documentation

7.9.1.1 [display\(\)](#)

```
void display (
    const std::vector< miser::Miser > & vb1,
    const std::vector< generous::Generous > & vb2,
    const std::vector< geeky::Geeky > & vb3,
    const std::vector< choosy::Choosy > & vg1,
    const std::vector< normal::Normal > & vg2,
    const std::vector< desperate::Desperate > & vg3 )
```

Definition at line 92 of file Helper.cpp.

7.9.1.2 make_couple()

```
void make_couple (
    std::vector< miser::Miser > & vb1,
    std::vector< generous::Generous > & vb2,
    std::vector< geeky::Geeky > & vb3,
    std::vector< choosy::Choosy > & vg1,
    std::vector< normal::Normal > & vg2,
    std::vector< desperate::Desperate > & vg3,
    std::vector< std::pair< std::string, std::string >> & couples )
```

Definition at line 103 of file Helper.cpp.

7.9.1.3 maximum()

```
int maximum (
    int a,
    int b,
    int c )
```

Definition at line 101 of file Helper.cpp.

7.9.1.4 scan_data()

```
void scan_data (
    std::vector< miser::Miser > & vb1,
    std::vector< generous::Generous > & vb2,
    std::vector< geeky::Geeky > & vb3,
    std::vector< choosy::Choosy > & vg1,
    std::vector< normal::Normal > & vg2,
    std::vector< desperate::Desperate > & vg3 )
```

Definition at line 12 of file Helper.cpp.

7.9.1.5 store_couples()

```
void store_couples (
    std::vector< std::pair< std::string, std::string >> & couples )
```

Definition at line 216 of file Helper.cpp.

7.10 /Volumes/Untitled/PPL PROJECT/que_1/Helper.h File Reference

```
#include "Miser.h"
#include "Generous.h"
#include "Geeky.h"
#include "Choosy.h"
#include "Normal.h"
#include "Desperate.h"
#include <vector>
```

Classes

- class [Helper](#)

Macros

- #define [HELPER_H_](#)

Functions

- void [scan_data](#) (std::vector< [miser::Miser](#) > &vb1, std::vector< [generous::Generous](#) > &vb2, std::vector< [geeky::Geeky](#) > &vb3, std::vector< [choosy::Choosy](#) > &vg1, std::vector< [normal::Normal](#) > &vg2, std::vector< [desperate::Desperate](#) > &vg3)
- void [display](#) (const std::vector< [miser::Miser](#) > &vb1, const std::vector< [generous::Generous](#) > &vb2, const std::vector< [geeky::Geeky](#) > &vb3, const std::vector< [choosy::Choosy](#) > &vg1, const std::vector< [normal::Normal](#) > &vg2, const std::vector< [desperate::Desperate](#) > &vg3)
- void [make_couple](#) (std::vector< [miser::Miser](#) > &vb1, std::vector< [generous::Generous](#) > &vb2, std::vector< [geeky::Geeky](#) > &vb3, std::vector< [choosy::Choosy](#) > &vg1, std::vector< [normal::Normal](#) > &vg2, std::vector< [desperate::Desperate](#) > &vg3, std::vector< std::pair< std::string, std::string >> &couples)
- int [maximum](#) (int a, int b, int c)
- void [store_couples](#) (std::vector< std::pair< std::string, std::string >> &couples)

7.10.1 Macro Definition Documentation

7.10.1.1 HELPER_H_

```
#define HELPER_H_
```

Definition at line 2 of file Helper.h.

7.10.2 Function Documentation

7.10.2.1 display()

```
void display (
    const std::vector< miser::Miser > & vb1,
    const std::vector< generous::Generous > & vb2,
    const std::vector< geeky::Geeky > & vb3,
    const std::vector< choosy::Choosy > & vg1,
    const std::vector< normal::Normal > & vg2,
    const std::vector< desperate::Desperate > & vg3 )
```

Definition at line 92 of file Helper.cpp.

7.10.2.2 make_couple()

```
void make_couple (
    std::vector< miser::Miser > & vb1,
    std::vector< generous::Generous > & vb2,
    std::vector< geeky::Geeky > & vb3,
    std::vector< choosy::Choosy > & vg1,
    std::vector< normal::Normal > & vg2,
    std::vector< desperate::Desperate > & vg3,
    std::vector< std::pair< std::string, std::string >> & couples )
```

Definition at line 103 of file Helper.cpp.

7.10.2.3 maximum()

```
int maximum (
    int a,
    int b,
    int c )
```

Definition at line 101 of file Helper.cpp.

7.10.2.4 scan_data()

```
void scan_data (
    std::vector< miser::Miser > & vb1,
    std::vector< generous::Generous > & vb2,
    std::vector< geeky::Geeky > & vb3,
    std::vector< choosy::Choosy > & vg1,
    std::vector< normal::Normal > & vg2,
    std::vector< desperate::Desperate > & vg3 )
```

Definition at line 12 of file Helper.cpp.

7.10.2.5 store_couples()

```
void store_couples (
    std::vector< std::pair< std::string, std::string >> & couples )
```

Definition at line 216 of file Helper.cpp.

7.11 /Volumes/Untitled/PPL PROJECT/que_1/insert_data.cpp File Reference

```
#include <iostream>
#include <fstream>
#include <stdlib.h>
#include <string>
#include <ctime>
```

Functions

- int [main](#) ()

7.11.1 Function Documentation

7.11.1.1 main()

```
int main ( )
```

Definition at line 12 of file insert_data.cpp.

7.12 /Volumes/Untitled/PPL PROJECT/que_1/Miser.cpp File Reference

```
#include "Miser.h"
#include <string>
```

7.13 /Volumes/Untitled/PPL PROJECT/que_1/Miser.h File Reference

```
#include <string>
```

Classes

- class [miser::Miser](#)

Namespaces

- [miser](#)

7.14 /Volumes/Untitled/PPL PROJECT/que_1/Normal.cpp File Reference

```
#include "Normal.h"  
#include <string>
```

7.15 /Volumes/Untitled/PPL PROJECT/que_1/Normal.h File Reference

```
#include <string>
```

Classes

- class [normal::Normal](#)

Namespaces

- [normal](#)

7.16 /Volumes/Untitled/PPL PROJECT/que_1/q1_main.cpp File Reference

```
#include <string>  
#include <iostream>  
#include <vector>  
#include "Helper.h"
```

Functions

- int [main](#) ()

7.16.1 Function Documentation

7.16.1.1 main()

```
int main ( )
```

Definition at line 6 of file q1_main.cpp.

7.17 /Volumes/Untitled/PPL PROJECT/que_1/README.md File Reference